

This Page Is Inserted by IFW Operations  
and is not a part of the Official Record

## **BEST AVAILABLE IMAGES**

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images may include (but are not limited to):

- BLACK BORDERS
- TEXT CUT OFF AT TOP, BOTTOM OR SIDES
- FADED TEXT
- ILLEGIBLE TEXT
- SKEWED/SLANTED IMAGES
- COLORED PHOTOS
- BLACK OR VERY BLACK AND WHITE DARK PHOTOS
- GRAY SCALE DOCUMENTS

**IMAGES ARE BEST AVAILABLE COPY.**

**As rescanning documents *will not* correct images,  
please do not report the images to the  
Image Problem Mailbox.**

Attorney Docket No.: Ackerman 29-14-7-11

Patent

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Ackerman et al.

Application No.: 10/036,437

Filed: July 15, 2002

For: WAVELENGTH TUNABLE  
LASER AND METHOD OF  
FORMATION

Examiner: Sung H. Pak

Art Unit: 2874

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA. 22313-1450

Dear Examiner,


REVOCATION OF POWER OF ATTORNEY AND APPOINTMENT OF ASSOCIATE  
ATTORNEY

I hereby revoke all previous powers of attorney or authorization of agent given in connection with the above-reference patent application. Please recognize the following as an associate attorney with full power to prosecute said patent application, to make alterations and amendments thereto, and to transact all business in the Patent and Trademark Office in connection therewith:

Firm Name: Joseph A. Pugh  
Reg. No. 52,137  
Address: 2300 NE Brookwood Parkway  
Hillsboro, OR 97124  
Telephone: (503)-615-9616  
Fax: (503)-615-8904

I represent the assignee of record of the entire interest in the above-referenced patent application, who is entitled to prosecute said patent application to the exclusion of the named inventors or any previous assignee pursuant to 37 CFR 3.71. A statement under 37 CFR 3.73(b) is enclosed.

Respectfully,

Raymond A. Link  
Vice President and Chief Financial Officer  
TriQuint Technology Holding Co.

Date: June 22, 2004

TriQuint Technology Holding Co.  
2300 NE Brookwood Parkway  
Hillsboro, OR 97124

PTO/SB/98 (06-03)

Approved for use through 07/31/2008. OMB 0651-0031  
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

**STATEMENT UNDER 37 CFR 3.73(b)**Applicant/Patent Owner: TriQuint Technology Holding Co.Application No./Patent No.: 10/036,437 Filed/Issue Date: 01/07/2002Entitled: Wavelength Tunable Laser and Method of FormationTriQuint Technology Holding Co. a corporation  
(Name of Assignee) (Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. ☒ the assignee of the entire right, title, and interest; or2. ☐ an assignee of less than the entire right, title and interest.  
The extent (by percentage) of its ownership interest is \_\_\_\_\_ %  
in the patent application/patent identified above by virtue of either:A. ☐ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

OR

B. ☐ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

1. From: Inventors To: Agere Systems, Inc.  
The document was recorded in the United States Patent and Trademark Office at Reel 012442, Frame 0894, or for which a copy thereof is attached.
2. From: Agere Systems, Inc. To: TriQuint Technology Holding Co.  
The document was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.
3. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

☐ Additional documents in the chain of title are listed on a supplemental sheet.

☒ Copies of assignments or other documents in the chain of title are attached.  
[NOTE: A separate copy (i.e., the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

July 1, 2004  
Date  
503-615-9000  
Telephone number

Raymond A. Link  
Typed or printed name  
Raymond A. Link  
Signature  
Vice President and CFO  
Title

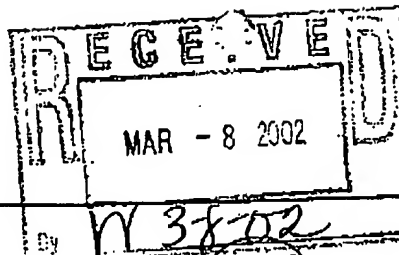
This collection of information is required by 37 CFR 3.73(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.



MARCH 05, 2002

PTAS  
DICKSTEIN SHAPIRO MORIN & OSHINSKY LLP  
THOMAS J. D'AMICO  
2101 L STREET NW  
WASHINGTON, DC 20037-1526



A2550.001/p011  
Chief Information Officer  
Washington, DC 20231  
www.uspto.gov



\*101943653A\*

UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 01/07/2002

REEL/FRAME: 012442/0894  
NUMBER OF PAGES: 6

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:  
ACKERMAN, DAVID A.

DOC DATE: 12/06/2001

ASSIGNOR:  
JOHNSON, JOHN E.

DOC DATE: 12/07/2001

ASSIGNOR:  
LANG, DAVID V.

DOC DATE: 12/07/2001

ASSIGNOR:  
REYNOLDS, CLAUDE L.

DOC DATE: 12/19/2001

ASSIGNEE:  
AGERE SYSTEMS, INC.  
P.O. BOX 614  
BERKELEY HEIGHTS, NEW JERSEY

07922-0614

SERIAL NUMBER: 10036437  
PATENT NUMBER:

FILING DATE: 01/07/2002  
ISSUE DATE:

**PATENT APPLICATION ASSIGNMENT**

THIS PATENT APPLICATION ASSIGNMENT is made as of January 2, 2003 by AGERE SYSTEMS INC., a Delaware corporation having a principal place of business at 1110 American Parkway, NE, Allentown, Pennsylvania 18109, hereinafter referred to as the ASSIGNOR, and TRIQUINT TECHNOLOGY HOLDING CO., a Delaware corporation with offices at 2300 NE Brookwood Parkway, Hillsboro, OR 97124, hereinafter referred to as the ASSIGNEE.

ASSIGNOR is the owner of certain patent applications identified on Schedule "A" attached hereto (the "ASSIGNED PATENT APPLICATIONS").

ASSIGNEE desires to acquire the entire right, title and interest of ASSIGNOR in and to said ASSIGNED PATENT APPLICATIONS.

For good and valuable consideration paid by the ASSIGNEE, the receipt of which is hereby acknowledged, ASSIGNOR does hereby sell, assign and transfer to the ASSIGNEE, at ASSIGNEE's sole expense, ASSIGNOR's entire right, title and interest in and to the ASSIGNED PATENT APPLICATIONS, in the U.S. and every foreign country, and all patent rights, including extensions or derivations thereof, both foreign and domestic, that may issue on the ASSIGNED PATENT APPLICATIONS. ASSIGNEE hereby authorizes and requests the Commissioner of Patents that all U.S. patents that issue on the ASSIGNED PATENT APPLICATIONS shall issue to ASSIGNEE. This assignment includes assignment to ASSIGNEE of the right to make application in its own behalf for protection of the ASSIGNED PATENT APPLICATIONS and any patents issued on the ASSIGNED PATENT APPLICATIONS, in the U.S. and countries foreign to the U.S., and to claim under the Patent Cooperation Treaty, the International Convention and/or other international arrangement for any such application the date of any earlier U.S. application (or any other application on the invention) to gain priority with respect to other applications. The ASSIGNED PATENT APPLICATIONS and all patents that issue on the ASSIGNED PATENT APPLICATIONS shall be held and enjoyed by the ASSIGNEE, its successors and assigns as fully and entirely as the same would have been held and enjoyed by the ASSIGNOR had this assignment not been made.

ASSIGNOR covenants and agrees to execute such further and confirmatory assignments in recordable form as the ASSIGNEE may require to vest record title of said respective ASSIGNED PATENT APPLICATIONS in ASSIGNEE.

IN WITNESS WHEREOF, the ASSIGNOR has caused this Assignment to be executed by a duly authorized officer.

TRIQUINT TECHNOLOGY HOLDING CO.

By: Raymond Link  
Name: Raymond Link  
Title: Vice President

AGERE SYSTEMS INC.

By: Gerard deBlasi  
Name: Gerard deBlasi  
Title: Vice President

Agere Systems Proprietary

# **SCHEDULE A OF PATENT APPLICATION ASSIGNMENT**

## **ASSIGNED PATENT APPLICATIONS**

Full Case Name	IDS	Country	Patent # / Serial #
DA Ackerman 25-24-29-44	118172	CHINA	00137088.X
DA Ackerman 25-24-29-44	118172	JAPAN	2000-398401
DA Ackerman 25-24-29-44	118172	CANADA	2327981
DA Ackerman 25-24-29-44	118172	FRANCE	311058.6
	118172	GERMAN	311058.6
DA Ackerman 25-24-29-44		Y	
DA Ackerman 25-24-29-44	118172	GR BRIT	311056.6
DA Ackerman 25-24-29-44	118172	USA	09/475608
DA Ackerman 27-15-1-13-11-2	122865	USA	09/668675
DA Ackerman 27-15-1-13-11-2	122865	FRANCE	1307994.2
	122865	GERMAN	1307994.2
DA Ackerman 27-15-1-13-11-2		Y	
DA Ackerman 27-15-1-13-11-2	122865	GR BRIT	1307994.2
DA Ackerman 27-15-1-13-11-2	122865	JAPAN	2001-288062
DA Ackerman 29-14-7-11	123914	USA	10/036437
DA Ackerman 30-29-6-22	123989	USA	10/036397
DA Ackerman 31-2	123884	USA	10/157452
T Ahmed 2-6-4-9-27	124063	USA	
YA Akulova 1-4-2	120821	USA	60/175010
YA Akulova 1-4-2	120821	USA	09/540471
YA Akulova 1-4-2	120821	KOREA	102001-0000910
YA Akulova 1-4-2	120821	JAPAN	2001-1383
YA Akulova 1-4-2	120821	TAIWAN	90100234
YA Akulova 1-4-2	120821	GR BRIT	100172.6
YA Akulova 2-14-11-5-7-8	119681	USA	09/539882
YA Akulova 2-14-11-5-7-8	119681	CANADA	2342518
YA Akulova 2-14-11-5-7-8	119681	GR BRIT	1303131.5
YA Akulova 2-14-11-5-7-8	119681	FRANCE	1303131.5
	119681	GERMAN	1303131.5
YA Akulova 2-14-11-5-7-8		Y	
YA Akulova 2-14-11-5-7-8	119681	CHINA	1117803.5
YA Akulova 2-14-11-5-7-8	119681	JAPAN	2001-101591
YA Akulova 3-12-10	120821	USA	09/645913
YA Akulova 4-74-10-6-12-3	120340	USA	09/823661
YA Akulova 5-8-6-11-15	122845	USA	10/125169
MA Alam 2-3	116221	USA	60/117239
MA Alam 2-3	116221	FRANCE	1030420
	116221	GERMAN	60000178.4
MA Alam 2-3		Y	
MA Alam 2-3	116221	GR BRIT	1030420
MA Alam 2-3	116221	KOREA	2000-0003851
MA Alam 2-3	116221	USA	09/370667
MA Alam 2-3	116221	JAPAN	2000-015648
MA Alam 3-6-4-9-9-10-59	119698	FRANCE	1302875.8
	119698	GERMAN	1302875.8
MA Alam 3-6-4-9-9-10-59		Y	